**You have the opportunity to design your own city using parallel lines and transversals!**

**DESIGN YOUR OWN CITY!!**

**Be creative- BUT make sure to meet all of the criteria listed below.**

**To start, your city must have:**

* **A city name (written at the top of your design & school appropriate)**
* **A population (written at the top of your design)**

**Also, your city must have the following correctly placed and labeled to receive full credit:**

* **5 parallel streets (each street must be named)**
* **2 transversal streets (each street must be named)**

Also, list the street names on the back of this rubric!

**Lastly, the following buildings (LABEL EACH BUILDING) must be placed as directed:**

* **A gas station and a restaurant (alternate exterior angles)**

You will be asked to identify the parallel lines and transversal used for each angle pair.

* **Your house and a school (same side interior angle)**
* **A courthouse and a bank (vertical angles)**
* **A general store and a church (corresponding angles)**
* **A library and a park (alternate interior angles)**
* **A community pool and a mall (Linear Pair)**

**Additionally, points will also be given for neatness & creativity!!!!!!**

* **Your city may be made by hand or by computer**
* **You must use no lined paper, *extra credit* will be added for a poster board**

**THIS SHEET MUST BE TURNED IN WITH YOUR PROJECT!!!!**

**Locations: (3 points each)**

**\_\_\_\_/3 A gas station and a restaurant (alternate exterior angles)**

**\_\_\_\_/3 Your house and a school (same side interior angle)**

**\_\_\_\_/3 A courthouse and a bank (vertical angles)**

**\_\_\_\_/3 A general store and a church (corresponding angles)**

**\_\_\_\_/3 A library and a park (alternate interior angles)**

**\_\_\_\_/3 A community pool and a mall (linear Pair)**

**\_\_\_\_/18 Total for Locations**

**Other:**

**\_\_\_\_/2 City Name and Population (2 points)**

**\_\_\_\_/4 At least 5 parallel streets (4 points)**

**\_\_\_\_/2 At least 2 transversals (2 points)**

**\_\_\_\_/4 Neatness, Color, Creativity (4 points)**

**\_\_\_\_/12 Total for Other**

**\_\_\_\_/5 Extra Credit**

**\_\_\_\_/30 PROJECT TOTAL**

**Here are the streets in my project:**

**Parallel line #1\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

**Parallel line #2\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

**Parallel line #3\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

**Parallel line #4\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

**Parallel line #5\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

**Please add any additional parallel streets here:**

**Transversal #1\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

**Transversal #2\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

**Please add any additional transversal streets here:**

**A gas station and a restaurant (alternate exterior angles)**

**Parallel Streets: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ , \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

**Transversal: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

**Your house and a school (same side interior angle)**

**Parallel Streets: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ , \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

**Transversal: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

**A courthouse and a bank (vertical angles)**

**Intersecting Streets \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ , \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

**A general store and a church (corresponding angles)**

**Parallel Streets: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ , \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

**Transversal: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

**A library and a park (alternate interior angles)**

**Parallel Streets: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ , \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

**Transversal: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

**A community pool and a mall (linear Pair)**

**Intersecting Streets \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ , \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**